

ABSTRACT

Modified compositions for carbonaceous concrete conductive sheathing materials for ground electrodes are described, for use in protecting installations from electrical currents. By the incorporation of discrete fibers, superior freeze-thaw resistance is imparted. The water resistance of carbonaceous concretes according to the invention is improved by the addition of a soluble soap of long chain fatty acids. A method of precasting carbonaceous cements according to the invention allows uniform and consistent development of properties for use either in shallow trench or deep well applications.